

Title (en)

Handheld electronic device with reconfigurable keypad

Title (de)

Tragbare elektronische Vorrichtung mit rekonfigurierbarer Tastatur

Title (fr)

Dispositif électronique portatif avec clavier reconfigurable

Publication

EP 1795994 B1 20100414 (EN)

Application

EP 05257599 A 20051212

Priority

EP 05257599 A 20051212

Abstract (en)

[origin: EP1795994A1] An improved handheld electronic device (4) has a display (56) and a keypad (32), with the keypad (32) being movable among a number of configurations that enable the "real estate" occupied by the keypad (32) to be increased or decreased, and to correspondingly enable the viewable area of the display (56) to be relatively decreased and increased, respectively. In one aspect, a first keypad portion (44) and a second keypad portion (44) can be disposed substantially coplanar when the keypad (32) is in a first position and disposed noncoplanar when in a second position. In another aspect, a device (4) can include a keypad (32) and a flexible sheet-like piece of covering material (40) structured to overlie a display, with the keypad (32) and the piece of covering material (40) being connected together. In another aspect, a keypad assembly (32) can be movable between a first position wherein at least a portion of the keypad (32) overlies a first area of a display (56) and is operable to provide input, and a second position overlying one of none of the display (56) and a second area of the display (56) smaller than the first area. In another aspect, a method of protecting a device (4) includes overlying at least a portion of a display (56) with at least a portion of a keypad apparatus (32). In another aspect, a method of adjusting a device (4) between an ON condition and an OFF condition includes translating at least a portion of a keypad assembly (32) between a first position and a second position.

IPC 8 full level

G06F 1/16 (2006.01)

CPC (source: EP)

G06F 1/1626 (2013.01); **G06F 1/1666** (2013.01); **G06F 3/0202** (2013.01); **G06F 3/0213** (2013.01); **G06F 3/0221** (2013.01); **H01H 13/86** (2013.01); **H04M 1/0202** (2013.01); **H04M 1/23** (2013.01); **G06F 2200/1634** (2013.01); **H01H 2223/052** (2013.01); **H04M 2250/18** (2013.01)

Cited by

EP2687940A1; EP2688271A1; US8907231B2; US8899852B2; WO2014013129A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1795994 A1 20070613; **EP 1795994 B1 20100414**; AT E464594 T1 20100415; CA 2570679 A1 20070612; CA 2570679 C 20120103; DE 602005020653 D1 20100527

DOCDB simple family (application)

EP 05257599 A 20051212; AT 05257599 T 20051212; CA 2570679 A 20061211; DE 602005020653 T 20051212